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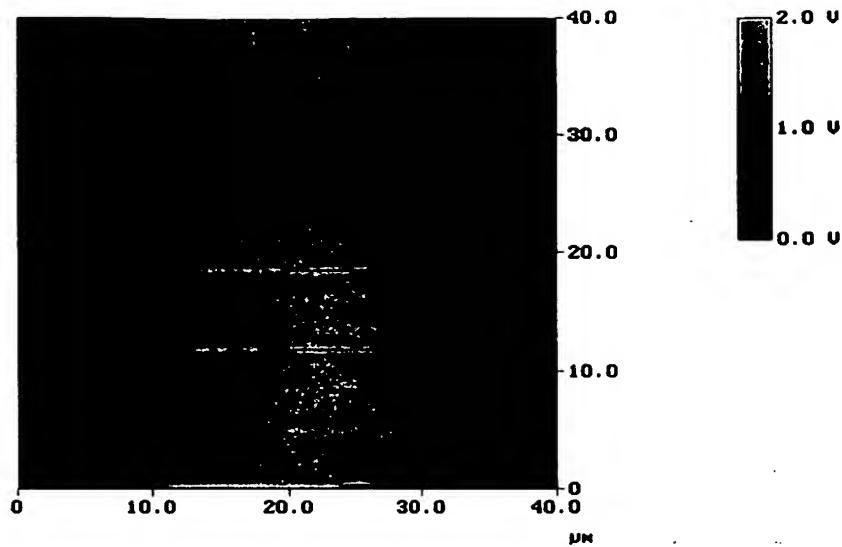


Figure 1a  
SSPM image of 20  $\mu$ m hexadecanethiol SAM on gold

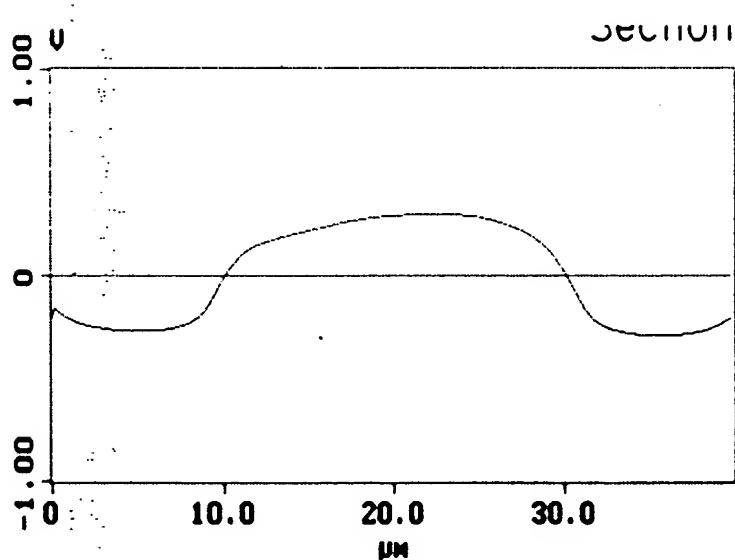


Figure 1b  
Potential profile extracted from Figure 1a quantifying the observed potential variation

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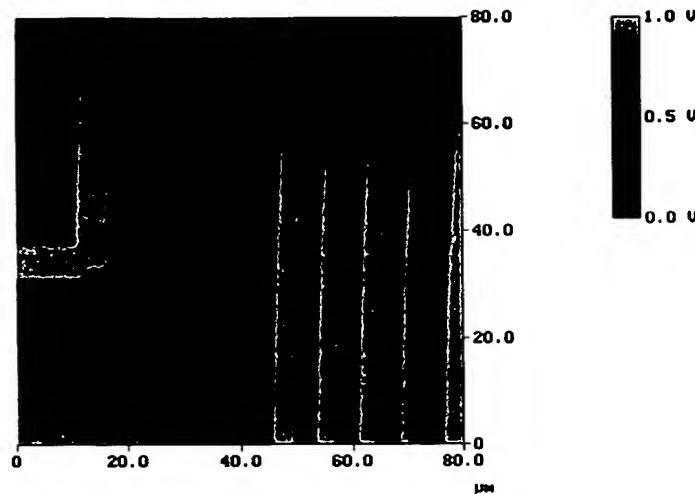


Figure 2a: SSPM of 4  $\mu\text{m}$  lines and spaces of FDT on gold

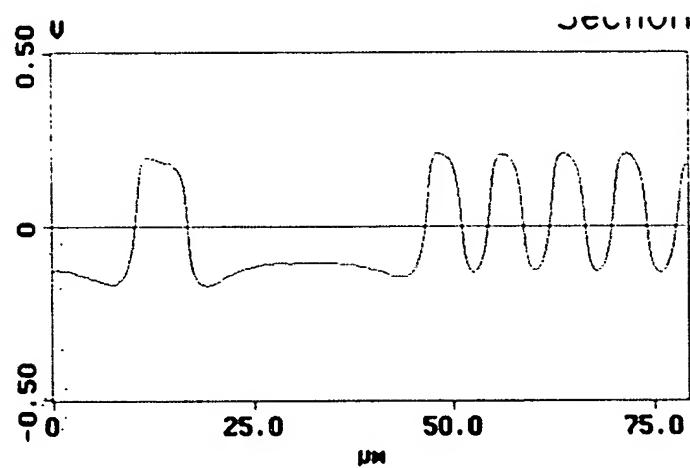


Figure 2b: Potential profile from Figure 2a

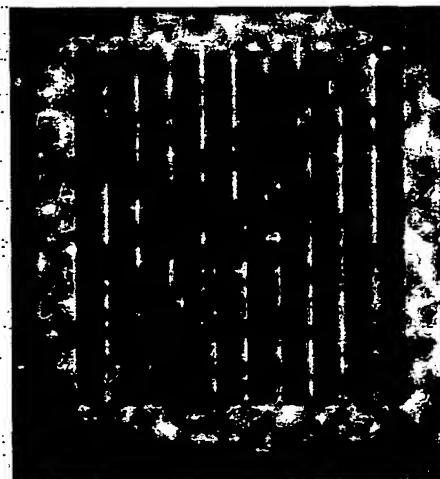


Figure 2c: TOF-SIMS of Figure 2a

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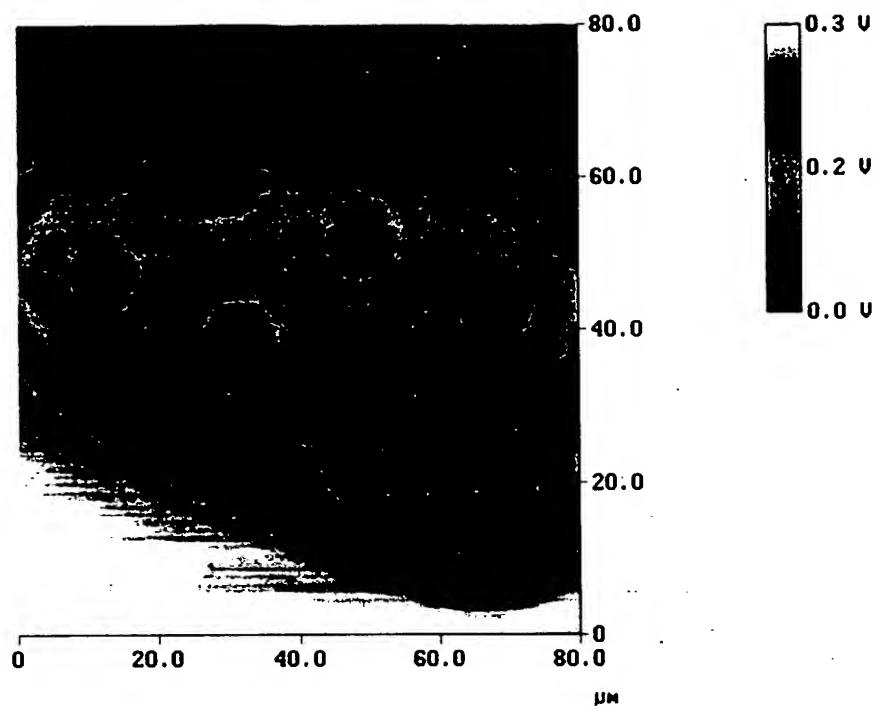


Figure 3  
SSPM of HDT SAM with FDT flood

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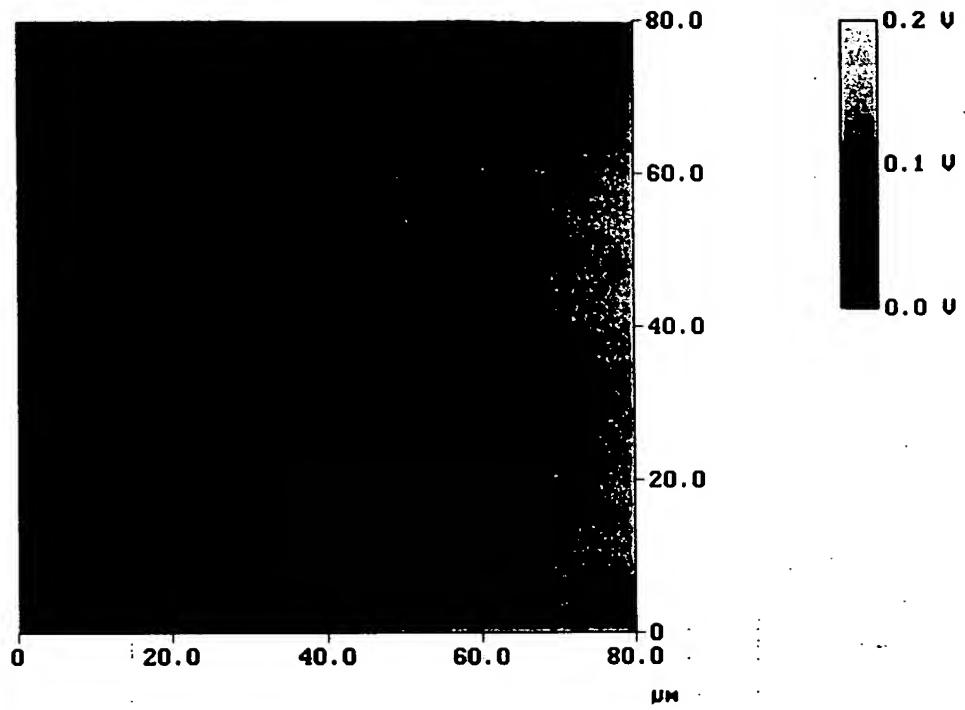


Figure 4a  
SSPM of 2  $\mu\text{m}$  lines and spaces for PETB on gold

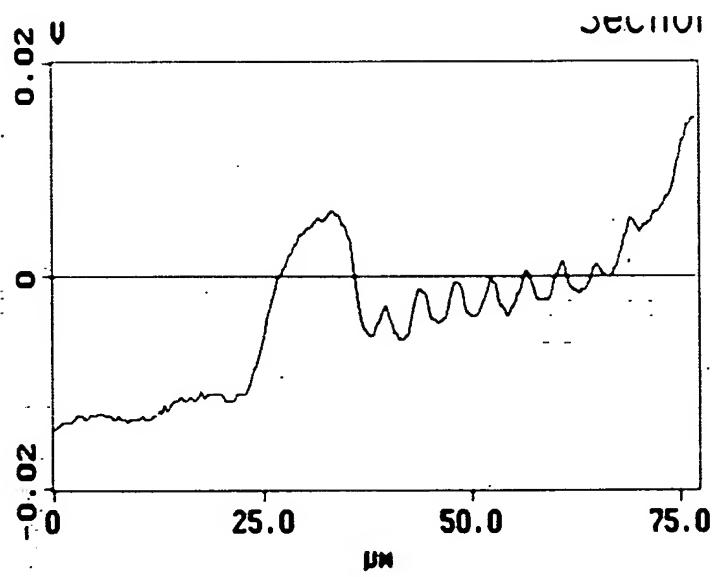


Figure 4b  
Potential profile from 4a

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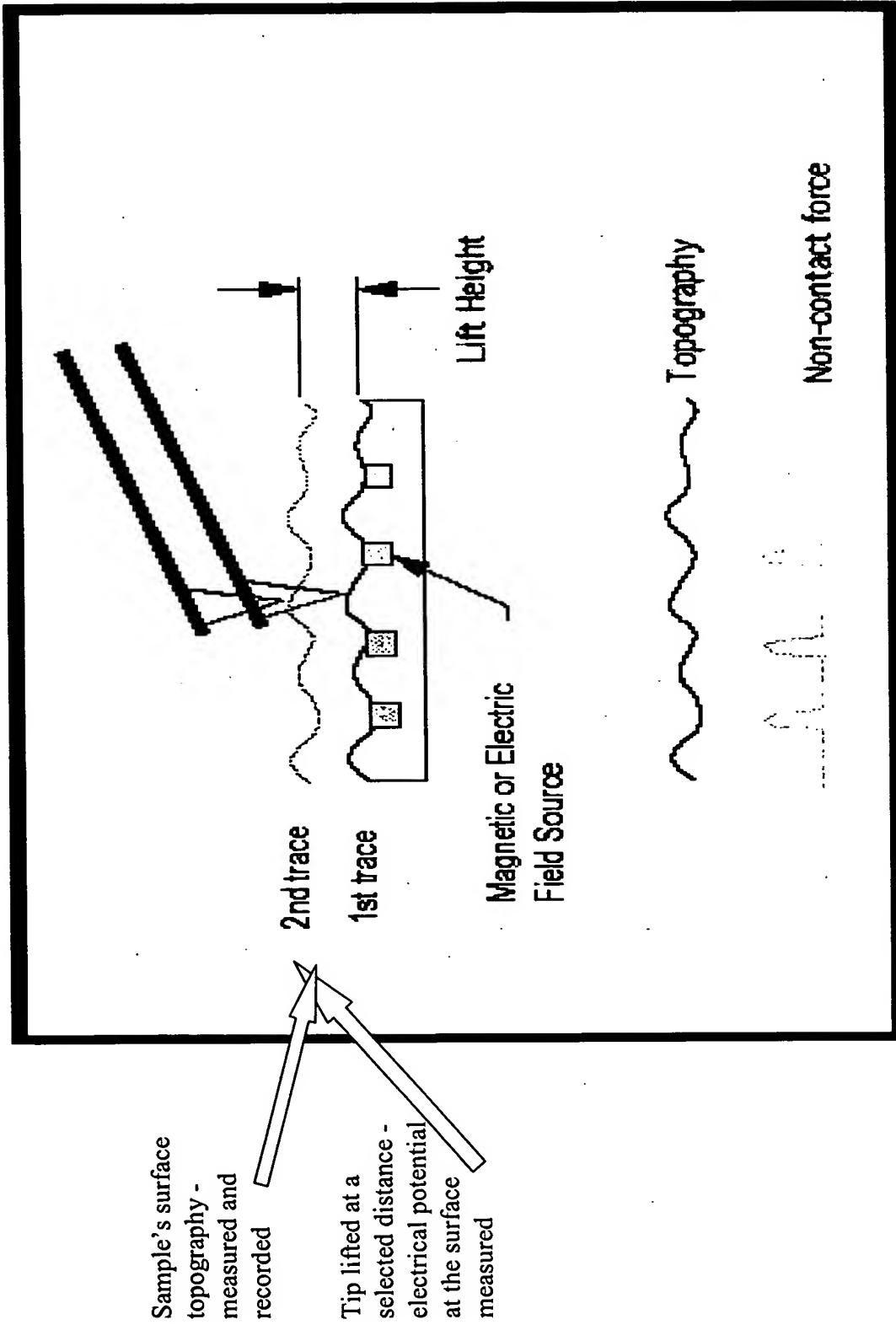


Figure 5  
Schematic of Scanning Surface Potential Microscopy, Lift Mode: two-pass technique